(No Model.)

# H. D. HINTERNESCH & H. D. HINTERNESCH, Jr.

## ROLLER FOR HANGING CURTAINS.

No. 346,752. Patented Aug. 3, 1886.

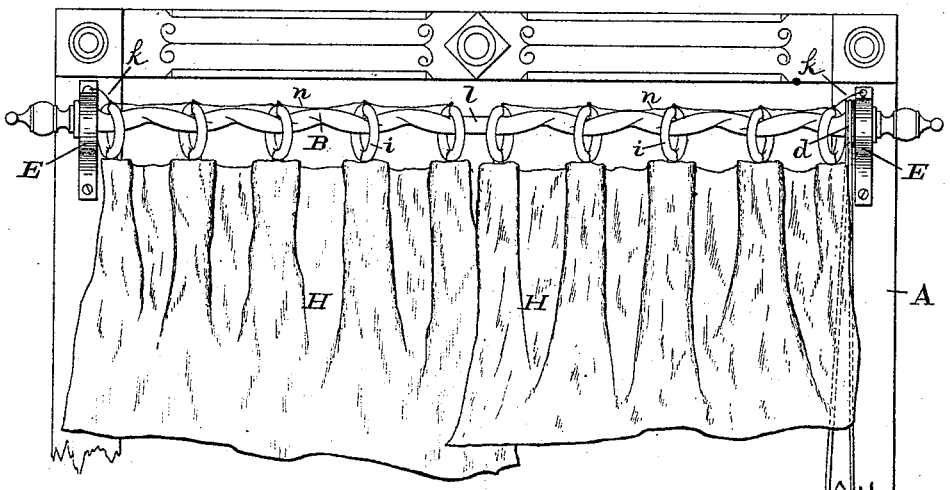


Fig: 1.

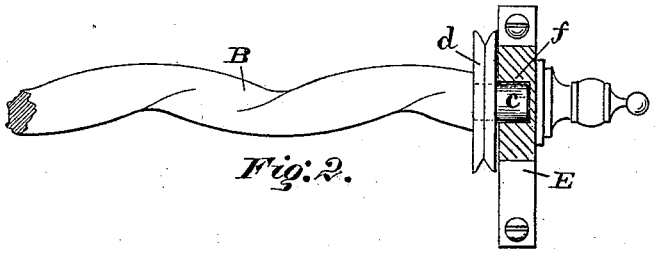


Fig: 2.

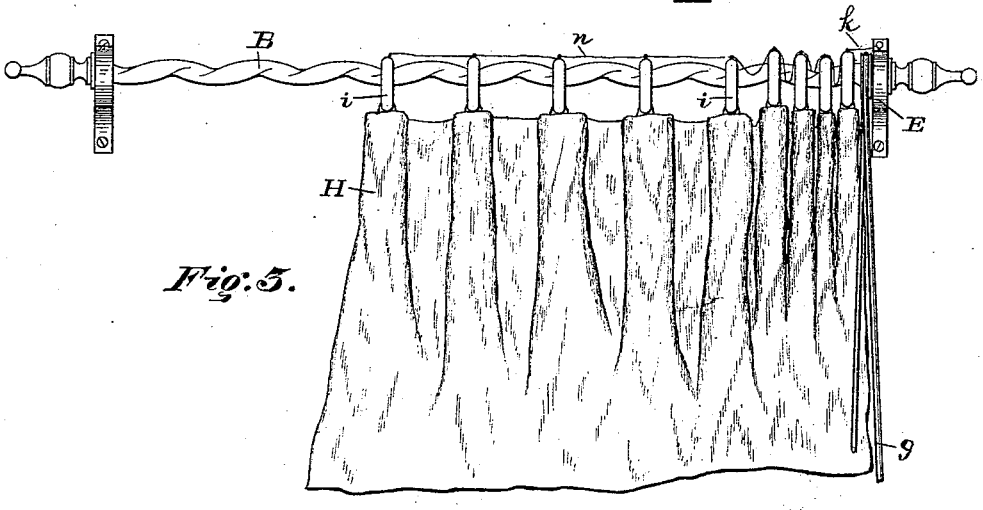


Fig: 3.

Witnesses:
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# UNITED STATES PATENT OFFICE.

HERMAN DIEDRICH HINTERNESCH AND HERMAN DIEDRICH HINTERNESCH, JR., OF BALTIMORE, MARYLAND.

## ROLLER FOR HANGING CURTAINS.

SPECIFICATION forming part of Letters Patent No. 346,752, dated August 3, 1886.

Application filed March 27, 1886. Serial No. 196,795. (No model.)

*To all whom it may concern:*

Be it known that we, HERMAN DIEDRICH HINTERNESCH and HERMAN DIEDRICH HINTERNESCH, Jr., citizens of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Rollers for Hanging Curtains, of which the following is a specification.

Our invention relates to a new and useful roller for hanging curtains, and is illustrated in the accompanying drawings, in which—

Figure 1 is a view of one roller, whereon the spiral from the center to the ends winds right and left, and a pair of curtains hung therefrom. Fig. 2 is a view on a larger scale of one end of the roller and the supporting-bracket in section. Fig. 3 is a view of the roller and a curtain, showing the spiral winding one way continuous from end to end. The position shown illustrates the curtain as it appears when receding or being drawn back.

The letter A designates a window-frame or a doorway; B, the new roller, made of wood or any other suitable material, having a spiral or screw form. This roller has at each end a journal, *c*, and at one end a pulley, *d*. Brackets E, of any suitable kind, have bearings *f*, in which the roller-journals *c* are seated. The roller is thereby supported, and may be revolved by means of an endless cord, *g*, passed over the pulley *d*.

The curtain H is provided at the top edge with rings *i*, which loosely surround the roller, and thereby the curtain is hung. These rings are large enough to slip freely along the spirals of the roller. One edge of the curtain, or the ring next to the supporting-bracket, is suitably fastened or confined to prevent it from moving away from the side of the window or door frame. In the present instance a cord at *k* serves this purpose.

The operation of this device will be readily understood. Drawing the endless cord *g* one way will cause the spiral roller B to revolve in one direction, and the said spirals will cause the rings *i* to move along or traverse the roller lengthwise toward one end. By drawing the endless cord the other way the roller will be revolved in the opposite direction, and accordingly the rings will move or traverse toward the other end of the roller. The traversing of the rings of course shifts the curtain. Thus by this roller the curtain constantly hangs down full length, and is moved or shifted sidewise, or in a horizontal plane. The spiral screw of the roller may wind continuously from one end to the other, as shown in Fig. 3, and in this form is suitable for one curtain.

A distinct form of roller is shown in Fig. 1, where two spirals or screws are shown—that is, one end of the roller has a spiral which winds to the right, and the other end a spiral which winds to the left, and a short straight space, *l*, separates the two spirals. By this construction two curtains, H H, may be hung from the same roller. When the roller is revolved in one direction, both curtains will move or shift toward the center, and when the roller is revolved in the opposite direction the two curtains will separate at the center and recede from each other.

To insure that the several rings *i*, when moving on the roller, will space themselves apart at equal distances, a cord, *n*, connects the tops of all the rings.

Having described our invention, we claim and desire to secure by Letters Patent of the United States—

The combination of a curtain-roller having a spiral or screw-shape form, a curtain provided at its top with rings which loosely surround the roller, and a cord connecting all the rings to space them apart equally, as set forth.

In testimony whereof we affix our signatures in the presence of two witnesses.

HERMAN DIEDRICH HINTERNESCH.
HERMAN DIEDRICH HINTERNESCH, JR.

Witnesses:
JOHN E. MORRIS,
JNO. T. MADDOX.